DEPARTMENT OF THE NAVY
HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA 94135

2653

IN REPLY REFER TO:
9902/2
108
20 November 1970

From: Commander, Hunters Point Naval Shipyard
To: Director, Division of Materials Licensing
U.S. Atomic Energy Commission

Subj: Excessive contamination of Cobalt 60 source

Ref: (a) U.S. AEC Regulations 10 CFR 34.25

1. On 13 November 1970, a 22 Curie C717 Cobalt 60 source was received from Automation Industries, Phoenixville, Penn., Certificate No. 6648, for use by the Hunters Point Naval Shipyard under AEC License No. 04-13597-01. This source was tested for leakage on 18 November 1970, prior to being placed into service. The results of the test indicated the presence of contamination in the amount of 0.079 microcuries. The test was repeated on 19 November 1970, and contamination in the amount of 0.009 microcuries was found. This report is submitted in accordance with referance (a) which requires that contamination in excess of 0.005 microcuries be reported to the AEC.

2. The cause of contamination is not known at this time. The contaminated source is currently in the shipping container in preparation for shipment to Automation Industries, Phoenixville, Penn., for further processing.

J. G. PSATHAS
By direction

Copy to:
Director, Division of Compliance
U.S. Atomic Energy Commission
2111 Bancroft Way
Berkeley, Calif. 94704

Automation Industries Inc.
P.O. Box 245
Phoenixville, Penn. 19460

RECEIVED
NOV 27 1970
REGION V
Div. of Compliance

SAN FRANCISCO BAY NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA 94135

IN REPLY REFER TO:
6470/11
108
25 September 1970

From: Commander, Hunters Point Naval Shipyard
To: Director, Division of Materials Licensing, U.S. Atomic Energy Commission

Subj: Excessive leakage of AN/PDR-18A calibration source; report of

Ref: (a) NAVELFX INST 9673.2

1. A leak test of an AN/PDR-18A Radiac instrument, Serial No. 889, was conducted on 23 September 1970. Leakage in excess of 0.005 microcuries was detected by wipe test on the 100 μCi Strontium 90 calibration source. This source was manufactured by Tracer Laboratory in accordance with drawing IM-75-31. This letter is in compliance with the reporting requirements of ref. (a).

2. The instrument has been placed in a double plastic bag, sealed with masking tape and transferred to a secure area pending the necessary decontamination and disposal. Radioactive waste disposal is by AEC licensed commercial disposal contractor.

J. G. PSATHAS
By direction

Copy to:
Director, Region I
Div of Compliance
U.S. Atomic Energy Commission

Commander, Naval Electronic Systems Command
Code 05163

RECEIVED
OCT 5 1970
REGION V
Div. of Compliance

DEPARTMENT OF THE NAVY
HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA 94135

FM 7-5

IN REPLY REFER TO:
9902/2
740
20 September 1972

From: Commander, Hunters Point Naval Shipyard
To: Director, Division of Materials Licensing
U.S. Atomic Energy Commission

Subj: Excessive contamination of Iridium 192 source

Ref: (a) Commander, NAVSHIPYDHUNTERSPT Ltr. 9902/2 to AEC of 11 September 1972
(b) U.S. AEC Regulations 10 CFR 34.25

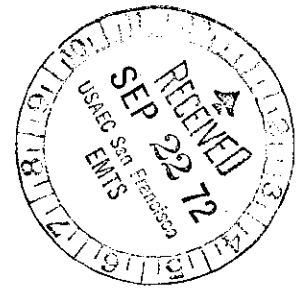
1. Reference (a) reported excessive contamination of a 110 curie Cumberland Research-General Nuclear Corporation Iridium source serial No. 504A. Wipe test results from General Nuclear Inc. dated 5 September 1972, indicated less than 0.001 microcuries. This source was returned to Cumberland Research in Houston, Texas, and was subsequently received at this Shipyard on 18 September 1972. The results of the wipe test conducted on 18 September at Hunters Point Naval Shipyard was 0.055 microcuries. In both instances the source was received in shipping container number 124 and field reports indicate that some resistance was encountered during removal of the source from the container. This report is submitted in accordance with reference (b) which requires that contamination in excess of 0.005 microcuries be reported to the AEC.

2. The equipment used in the wipe test has been secured pending monitoring. The source is in the shipping container awaiting return to Cumberland Research for final disposition.

M S Balis
M. S. BALIS
By direction

Copy to:
Code 100
130
530
700

Director, Division of Compliance
U.S. Atomic Energy Commission
2111 Bancroft Way
Berkeley, Calif. 94704



DEPARTMENT OF THE NAVY
HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA 94135

IN REPLY REFER TO:
9902/2
740
11 September 1972

From: Commander, Hunters Point Naval Shipyard
To: Director, Division of Materials Licensing
U.S. Atomic Energy Commission

Subj: Excessive contamination of Iridium 192 source

Ref: (a) U.S. AEC Regulations 10 CFR 34.25

1. On 8 September 1972, a 110 Curie Iridium 192 source, serial No. 504 A, was received from Cumberland Research-General Nuclear Corp. for use by the Hunters Point Naval Shipyard under AEC License No. 04-13597-01. The source was a replacement for a non-operable Iridium 192 source previously received with a faulty pig-tail connector. A confirmatory wipe test of the replacement source on 11 September 1972, prior to placing the source in service, resulted in a level of 0.038 microcuries of contamination. This report is submitted in accordance with reference (a) which requires that contamination in excess of 0.005 microcuries be reported to the AEC.

2. Some contamination had been transferred to the wipe test assembly and this has been removed. No contamination has been found on the surface of the shipping container. The source is now in the shipping container pending arrangements with Cumberland Research for return of the source.

M. S. BALIS
By direction

Copy to:
Code 100
130
530
700

Director, Division of Compliance
U.S. Atomic Energy Commission
2111 Bancroft Way
Berkeley, Calif. 94704

RO:V

08-00038-12

Your Ref:
0516:GNM:abc
9900
Ser 381-05163

JUL 25 1972

Commander
Naval Electronics Systems Command
Department of the Navy
Washington, D. C. 20360

Dear Sir:

Thank you for your letter of July 17, 1972, reporting the detection of leakage from a stronium 90 sealed source.

Your cooperation with us is appreciated.

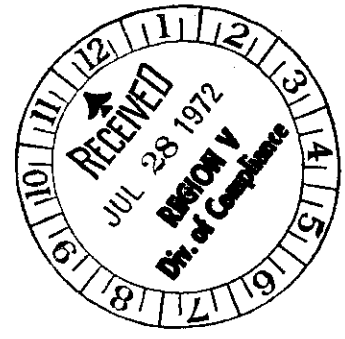
Very truly yours,

Original signed by
Gen W. Roy

Gen W. Roy, Chief
Materials and Fuel Facilities Branch
Directorate of Regulatory Operations

bcc: w/cpy ltr dtd 7/17/72
PDR
NSIC
L:AEB
L:BMB
License Files
Leaking Source Files
RO:V

RO:I
DR:Central



Hunteria Pt. file

OFFICE ▶	RO	RO			per Book	
SURNAME ▶	TWBrockett:elm	GWRoy				
DATE ▶	7/24/72					

DEPARTMENT OF THE NAVY
NAVAL ELECTRONIC SYSTEMS COMMAND
WASHINGTON, D. C. 20360

1911

IN REPLY REFER TO
0516:GNM:abc
9900
Ser 381-05163
17 JUL 1972

From: Commander, Naval Electronic Systems Command
To: Director
Division of Materials Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Subj: Leaking Source In AN/PDR-18B Radiac Set

1. A recent leak test on subject equipment, performed by the Radiac Repair Facility, Hunters Point Naval Shipyard, showed removable contamination in excess of 0.005 microcuries.

2. Detailed information relevant to the leaking source includes:

a. Source Model 309B - manufactured by US Radium Corp.

b. AN/PDR-18B Radiac Set, Serial #1043 - manufactured by Westinghouse Electric Corp.

c. 300 microcuries of Strontium-90.

d. AN/PDR-18B delivered during 1951 under a Navy Contract.

e. Wipe tests showed removable contamination of 0.02 microcurie on swipe from the surface of the sealed source.

f. Leak test performed on 5 July 1972.

g. Immediately following the leak test wipes were taken on the outside of the survey meter and immediate area of the wipe test. All swipes showed no contamination above background which indicated no spread of contamination. An additional swipe on the inside of the radiacmeter showed that contamination was limited to the surface of the source.

h. It is suspected that the source is leaking at the weld.

0516:GNM:abc
9900
Ser 381-05163

3. The radiac set containing the sealed source is an item covered under license #08-00038-12.

4. The AN/PDR-18B, serial #1043, with sealed source inside the radiacmeter has been sealed in a double plastic bag and stored in a controlled area in the Radiac Repair Facility. The unit will be disposed of through a licensed disposal contractor.

G. N. Mahaffey

G. N. MAHAFFEY
By direction

Copy to:
Director, Region 1
Division of Compliance
U.S. Atomic Energy Commission
970 Broad Street
Newark, New Jersey 07102
NAVSHIPYD HUNTERS POINT (Attn: Code 740)